

Having thus described the invention, it is now claimed:

1. An isolator assembly comprising:
an elastomeric member that couples an associated frame to an associated body
5 of an associated vehicle;
a fastener assembly securing the elastomeric member to one of the associated
vehicle frame and body; and
means for allowing the fastener assembly to break away in at least one of fore
and aft directions extending along and substantially perpendicular to a length of the fastener
10 assembly.
2. The isolator assembly of claim 1 wherein the means for allowing the fastener
assembly to break away in the fore and aft directions includes an insert received in the
elastomeric member.
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3. The isolator assembly of claim 2 wherein the insert is a generally hollow
sleeve that has a variable cross-section.
4. The isolator assembly of claim 2 wherein the insert includes first and second
20 portions that are separated along at least one of the fore and aft directions of the fastener
assembly.
5. The isolator assembly of claim 4 wherein the insert first and second portions
are substantially identical.
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6. The isolator assembly of claim 2 wherein the insert has a cross-section that
varies about its perimeter and is substantially constant along its length.
7. The isolator assembly of claim 1 further comprising a retainer that operatively
30 engages one end of the insert, the retainer including an irregular opening therethrough that
allows the isolator assembly to separate generally along a longitudinal axis of the fastener
assembly.

8. The isolator assembly of claim 1 further comprising a retainer member disposed on one side of the associated body opposite from the elastomeric member for securing the fastener assembly to the associated body.

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9. The isolator assembly of claim 8 wherein the retainer opening includes small and large diameter portions spaced along the irregular opening.

10. The isolator assembly of claim 1 further comprising a second elastomeric member interposed between the associated body and the associated frame.

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11. A cradle mount assembly interconnecting an associated frame and an associated body of a vehicle, the cradle mount assembly comprising:

a vibration absorbing member that couples an associated frame to an associated body of an associated vehicle;

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an elongated fastener assembly securing the vibration absorbing member to one of the associated vehicle frame and body;

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an insert received in the vibration absorbing member and configured to break away in at least one of fore and aft directions extending along and substantially perpendicular to the length of the fastener assembly; and

a retainer that operatively engages one end of the insert, the retainer including an irregular opening therethrough that allows the isolator assembly to separate generally along a longitudinal axis of the fastener assembly.

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12. The isolator assembly of claim 11 wherein the insert is a generally hollow sleeve that has a variable cross-section.

13. The isolator assembly of claim 11 wherein the insert includes first and second portions that are separated along at least one of the fore and aft directions of the fastener assembly.

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14. The isolator assembly of claim 13 wherein the insert first and second portions are substantially identical.

5 15. The isolator assembly of claim 11 wherein the insert has a cross-section that varies about its perimeter and is substantially constant along its length.

16. An isolator assembly comprising:
an elastomeric member that couples an associated frame to an associated body
of an associated vehicle;
10 a fastener assembly securing the elastomeric member to one of the associated vehicle frame and body; and
an insert received in the elastomeric member allowing the fastener assembly to break away in at least one of fore and aft directions extending along and substantially perpendicular to a length of the fastener assembly.

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17. The isolator assembly of claim 16 wherein the insert is a generally hollow sleeve that has a variable cross-section.

20 18. The isolator assembly of claim 16 wherein the insert includes first and second portions that are separated along at least one of the fore and aft directions of the fastener assembly.